



# ENVIRONMENTAL SOLUTIONS

PLANNING • ENGINEERING • MANAGEMENT

June 21, 1999  
Project #ES99-040.Prp.

Mr. Johnny Marasco  
Construction Administrator  
Boeing Realty Corporation  
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Long Beach, California 90808-1700

Environmental Consulting Services  
Asbestos Survey  
Buildings 1, 2, 3, 20, 32 & 66  
19901 Normandie Avenue  
Los Angeles, California

## INTRODUCTION

This proposal presents the scope of services and estimated fee schedule for providing asbestos consulting services to Boeing Realty Corporation for the above referenced buildings. This proposal has been prepared in accordance with our observations of the subject building on June 18, 1999 and our understanding of the scope of work.

## PURPOSE AND SCOPE OF WORK

The purpose of our consulting services is to perform building survey for asbestos-containing building materials (ACBM) in accordance with industry protocols for buildings that are intended for demolition. We understand that most of the buildings were built circa 1950s and are known to contain some form of asbestos containing materials (except building 32). The scope of work according to our understanding is to identify, locate and quantify those asbestos containing materials requiring abatement prior to demolition of the subject buildings.

### Task 1.0 - Building Survey.

The initial task of this project consists of performing an asbestos survey of the buildings. The survey will consist of a walk-through for visual assessment and a review of any plans and specifications available on the property. The survey will focus on all general, obvious, and usual uses of asbestos in building materials. This survey does include cutting and/or breaking into walls or ceilings of the building beyond what is normally required for bulk sampling. Our survey will include examination of all the accessible areas of the buildings. The bulk sampling as we understand will include, acoustical materials, insulation materials, floor materials, roof materials, wall materials and miscellaneous building materials. Sufficient number of samples will be collected from each material type from each building to determine its asbestos content.

## Task 2.0 - Survey Report

The objective of the survey is to determine the extent of ACBM present in the building. The survey report will provide Boeing Realty Corporation with the information required for informed decision making and assist its demolition contractors in locating the ACBM. The results will be summarized in a combination of chart and narrative fashion with supporting laboratory data. In general, the report will present the following items:

- Summary of the survey and sampling activities,
- type and location of materials sampled, and
- Laboratory analytical results.

## FEE ESTIMATE

We will perform the above discussed Task on time & material basis for an estimated fee of \$4,100. This fee has been derived from the following estimated costs involved and based on our understanding of the buildings, in accordance with our observations and discussion on June 18th. Therefore the final cost may be slightly more or less than the outlined below;

### Field Investigation & Correspondences

Project Manager  
10 hrs @ \$70/hr . . . . . \$700.  
(2) Field Technicians  
10 hrs @ \$40/hr. . . . . \$800.

### Report Preparation & Laboratory Time

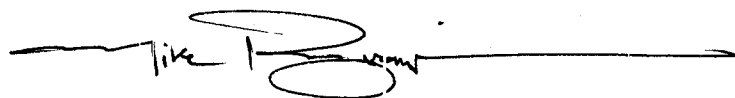
Project Manager  
10 hrs @ \$70/hr . . . . . \$700.  
Laboratory PLM samples . . . . . \$1,600.

**Note:** We have assumed approximately 80 bulk samples for this survey and have included \$300. for any other unanticipated costs.

Certain assumptions have been made in developing this estimate such as accessibility and field assistance by someone who knows the buildings and, if not valid, will constitute a change in scope, requiring an adjustment in the cost estimate. We will not exceed this estimate without prior notice.

We appreciate the opportunity to present this proposal. If the conditions of this proposal meets with your approval, please sign below and return a copy to us as notice to proceed.

Environmental Solutions



Michael Rezvani, REA, CAC  
Principal Consultant

Boeing Realty Corporation

Johnny Marasco  
Construction Administration



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